The Popular, Fragrant White Freesias, Now Supplemented rust and entirely disappear before Mills, Staatsburg, N. Y., paid \$4,250 | Last Dates to Sow Vegetables—Farming and Gardening With Flowers of Pink Vellow and Purple. The Same buyer at Columbia I Iniversity—The Two Comboners Troubles With Flowers of Pink, Yellow and Purple —Peony Exhibition

be needed until the growth is about

three inches high, when the plants

Keep the pots in the lightest pos-sible place and give no artificial heat

the late autumn, and then keep the

freesias where the temperature will

not go over 60 degrees. They dislike

When resting season comes place the

high temperature when growing.

pots in the summer sun where they

will dry and rest without further at-

tention and may be repotted again in

planted early and the pots set Away on a bench of a greenhouse where

they were forgotten. It was a cool house that had only heat enough to

keep out frost and many times the

thermometer fell very close to 32 at

More than once when looking in

in the morning after a sudden change

in the weather at night the marks of

attracted attention and behold the

flowers were as fine as the most care-

ful coddling could possibly have pro-

PEONY EXHIBITION.

T. A. Havemeyer, president of the

New York Horticultural Society, an-

nounces an exhibition of peonies to be

held at the American Museum of

Natural History, Columbus avenue and

Large bunches of the newest and est peonles in vases will be shown.

Mr. Havemeyer is making a great ef-

WANDERING JEW.

It produces a tall, branching flower

spike and runners similar to those o

Seventy-seventh street, next Wednesday, Thursday and Friday, June 11,

12 and 13, from 1 to 5 P. M.

fort to have a large display.

The finest freesias I have seen were

until fires are needed in the house

nust be regularly watered.

August.

get satisfactory flowering. Bulbs that are held until winter will, from external appearances, be unchanged, but on breaking the bulbs open instead of one large bulb a shrunken old bulb will be disclosed with a cluster of little bulbs. Not being planted at the proper time the bulb makes an effort at reproduction. The little bulbs grown on will make flowering bulbs in a season or two.

Six Choice Perennials

Delphinum, Schling's Gold Medal Tybrids. Chimney Beliffower, rare and beauti-Colored Danies (Pyrethrum),

Tufted Viola. packets each of the above \$2.50 Book of information to garden

Schling's Seeds

MAX SCHLING, Inc.

3-YEAR ASPARAGUS ROOTS.

Support Tomato Vines

"ADJUSTO" Supports

PRACTICAL and A cheap plant sup-port that will last a life time. Contains no hooks or screws. The stake is of oak painted greenand the hoop is of the strongest wire also painted green to prevent rust. It is easily put up and is adjustable to any height. Ask your dealer, if he does

The Forrest Seed Company Cortland, N Y.

The Modern Miracle Worker That Is

Changing the Habits of Millions

SCIENCE is the modern Aladdin. It changes the face

ered-and life at once began to change for every man,

woman and child then alive. For them and their de-

Union Carbide was discovered; and already its mi-

raculous power is lightening and brightening the life of

every one living to-day. Such world forces are irresist-

ible. The results they make possible are so helpful that

barriers fall by the wayside as the wave of progress

Union Carbide made from selected coke and lime and fused

in electric furnaces at a heat of 6,000 degrees Fahrenheit

(twice the heat necessary to melt steel), looks like ordinary

crushed stone. Add water to it, and there is straightway pro-

Carbide Gas is mending machinery in factories and railroad

and shipbuilding plants all over the earth. Broken parts are

heated in a few minutes, and then stick together as if they

Carbide Gas lights the entrances to the Panama Canal,

Government Barracks, light-houses, buoys and school houses.

It supplied light to the contractors who built the New York

Subways, and the great Catskill aqueduct tunnel under the

It already lights quarter of a million farm houses and barns, hospitals, fields for night ploughing, and is used for loading

and unloading of all kinds. Over 700,000 miners depend on

If you would like to read more about this miracle worker, that is changing the habits of millions, write us for a free booklet.

UNION CARBIDE SALES COMPANY

42d Street Building, New York Peoples Gas Building, Chicago Kohl Building, San Francisco

duced the most wonderful gas in the world—Carbide Gas.

scendants life could never again be the same.

rushes on.

had never been parted.

Hudson River at Storm King.

Carbide Gas to work by.

of the world almost over night. Steam was discov-

Freesla bulbs must be planted in colors in addition to the white, yellow strawberry plants, with slender red the nails red hot, two or three at a the late summer or early autumn to and shades of pink and blue will be stems, having numerous tiny plantlets time, and drop them in the mixture.

When cold, spread out the nails to dry

The culture of saxifraga sarmena six inch pot will accommodate ten
or twelve bulbs of the popular refracta alba. Six or eight bulbs of the new
varieties will be sufficient for a not of ta alba. Six or eight bulbs of the new mixed. Propagation is by means of varieties will be sufficient for a pot of the plantiets growing from the run-

Plant the bulbs an inch deep in a In America what is ordinary called The department of agriculture at mixture of good, rich potting soil mixed wandering Jew is tradescantia. Tradewith about one-quarter the quantity of sharp sand. Pot the first lot early in August and other lots a week apart until the first to the middle of September for a succession of bloom. Was a state of the succession of bloom. Was a state of the succession of bloom. Was a succession of bloom. Was a succession of bloom. Was a state of the succession of bloom. The way this plant multi-green and white succession of bloom. The way this plant multi-green and white succession of bloom. The way this plant multi-green and white succession of bloom. after which scarcely any water will

know how and do things better to-day. | made several other purchases.

Put a pint of linseed oil and two ounces of black lead in a vessel and stir well until thoroughly mixed. Heat

paid \$3,150 for Darling Lassy, another bargain. Mrs. Edmond Butler, Mount Kisco, N. Y., paid \$1,550 for Pretty Sybil, a year-old heifer. On the whole the prices ruled considerably lower than the herd warranted. It was one of those auctions of good things that averaged lower than the same herd would bring at a sale held the very

LAST DATES TO SOW VEGE-TABLE SEEDS.

In the latitude of New York the last dates are given below that it is safe to sow vegetable seeds to give them time to mature. Successive plantings flowers. The way this plant multi- agement, advanced agronomy and may be made a few days apart until

at Columbia University-The Two Cornborers, Troublesome Flea Beetles and Plant Diseases

larker than the female. The forewing s crossed by two narrow dark brown ines enclosing a pale yellow streak and there are two small yellow spots near its centre. The hind wings are grayish and crossed by a broad band

of pale yellow.
"The moths regain quiet during the day, hiding in patches of grassland or underneath the leaves of various plants. At night they fly from plant to plant, depositing their eggs in flat, irregular shaped masses on the under side of the leaf. They are not espe-

cially attracted to lights. "The feeding habits of some indi-viduals of the European corn borer are quite peculiar and these should be taken into account in any discussion related species. These feeding habits of the insect are discussed in full on pages 19 and 20 of the Farmers Bul-letin 1046, and figures 4, 5 and 6 show haracteristic damage wrought by

Those interested should send to the Division of Publications, Agricultural Department, Washington, D. C., for

HARDY CHRYSANTHEMUMS.

Chrysanthemums for outdoor bed ding are becoming popular, and justly so, as they produce a profusion of blooms just at the time the autumn frosts have cut down other flowering plants in the garden.

Early frosts do not harm the hardy chrysanthemums and they frequently flower well into November in the gardens around New York city. Planted as late as July, they will produce flowers in the autumn and with a good covering of litter during

Low Down Irrigation System for Flower Gardens.

as tender varieties, but they were left

in the ground without protection and

Henry A. Dreer offers a collection

of twenty-five named hardy varieties

of various colors, yellow, bronze, pink,

red, white, &c. Edward Wallis, Berlin,

N. J., also makes a specialty of hards

mixed unnamed chrysanthemums of

LIME.

The elements of lime, calcium and magnesium are plant food. The grain

and fruit crops use these as food in

very small quantities, but the legumes

and root crops use them in relatively large quantities.

better than occasional large applica-

tions. Clay soils need larger applica-

State College of Agriculture, Ithaca,

s well worth reading by all gardeners

In using insecticides be careful not

to make the mixture stronger than

recommended in the directions on the

package. To do so will likely result in

Ants in lawns and gardens will

If spraying the top of the ant hill h not sufficient, pour enough of the mix-

There is a great opportunity for

burning the foliage on the plants.

Extension bulletin No. 5, New York

tions than sandy soils

and farmers. It is free.

to twenty parts of water.

Frequent and small applications are

come up year after year.

good varieties

following spring. I have several va- owing to its habit of jumping quickly

ricties in my garden that were bought from place to place when disturbed

spray early to prevent damage.

Thin out in showery weather and sonate of lead and bordeaux mixture. transplant the plants that are removed. When the seedlings are of poison, and if eaten by the beetles kills good size transplant six inches apart. them, while the bordeaux mixture acts

Gladioli bulbs that were left in the ter in northern New Jersey and are now growing well.

Potted plants that have been negected so the leaves droop and the soil has become dry and hard should have the pots immersed in water until the air bubbles cease to rise.

Members of the Cleveland and Shaker Lakes Garden clubs and the Woman's Land Army committee of Cleveland have raised \$1,000 to provide twenty scholarships for women this summer in gardening and poultry at \$50 each at the Ohio State University, Columbus.

United Verde Extension, an Arlzona copper concern, offers a oneeighth acre garden patch to any em-ployee. Ground will be ready for seeding, water furnished free and a professional agriculturist will be naid by the company to assist and advise the gardeners.

FLEA BEETLES.

The flea bettle is a small jet black peetle about one-sixteenth of an inch in length, and is usually the first insect o attack potato vines when they come up. The leaves of tomatoes, cucumbers, and several other garden plants are often eaten, as well as those of potatoes. Young plants are most affected, and it is therefore advisable to

The flea beetle was very abundant

body, is slightly smaller in wing ex- ter sowing, but barely cover the seeds. tained by using a combination of aras a repellant. Care should be used to Gladioli bulbs that were left in the spray both sides of the leaves and ground last autumn survived the winble. This spraying will also protect potate plants from the common potate bug and other leaf eating insects, as well as help to prevent blight and fungus diseases.—G. M. Copping, Connecticut.

PLANT DISEASES.

The New Jersey State College of Agriculture warns gardeners to be on the lookout for two quite common plant diseases;

Damping off-Damping off is the most common cognomen for a fungous disease which attacks plants pretty generally. The fungous organisms attack the seedlings at the surface of the soil, causing them to wilt, fall and die. Strangely enough, it is plants growing on rich soil which are affected. This is due to the fact that the organisms which cause the rot live on manure and decaying vegetable matter of all kinds.

Here are a few precautions to prevent this disease, which attacks almost every common vegetable:

Remove and destroy the diseased plants and the soil in which they are

Avoid excess of water. Sterilize the soil by means of foraldehyde.

The application of hot sand to the area affected or watering it with weak Bordeaux mixture will often kill the disease organisms, but care must be taken with the latter that the plants are not killed.

Lettuce Drop or Rot-If the lower leaves of lettuce look as if they had been scalded with hot water, drooping and falling to the ground, the plant is probably infected with lettuce drop or rot. As it moves rapidly not only to the rest of the infected plant but also to other plants in the bed, it should be checked at once. Pull and burn or bury the plants as soon as the disease is detected. If growing lettuce on a large scale to avoid future trouble in this direction practice crop rotation and sterilize the soil. Celery, cucumber, radish and other plants are also subject to this disease.

Two serious wheat diseases have oeen discovered in Illinois. One seems to be identical with "take-all," which has caused serious loss to wheat growers of Australia, and of wheat, oats. barley, rye, rice and wild grasses of

The second is flag smut of wheat, which is serious in Australia and is known in India and Japan,

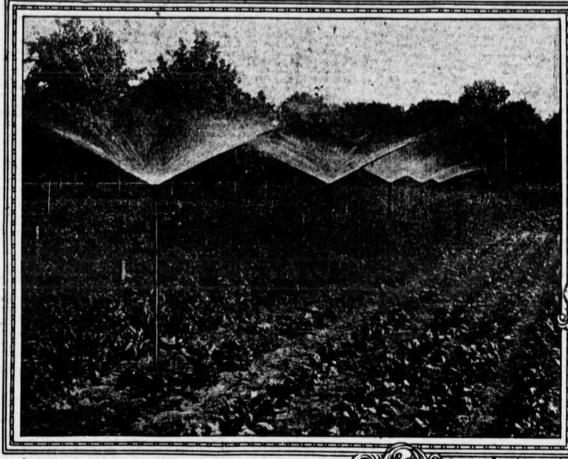
If palms, aspidistras and other smooth leaved foliage plants are washed frequently, using a soft cloth and warm water, they will not be

Ninety-four species of plant lice are ecognized as affecting various plants New Jersey, according to Circular 107, Vegetable Plant Lice, Experiment Station, New Brunswick, N. J.



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Automatic Lawn and Garden Irrigation



Overhead Irrigation System for Vegetable Gardens. In England wandering Jew, also To produce perfect specimens of a lawn mower will pass safely, and called mother of thousands; is what is known botanically as sayifraga sarmentosa. In this country the same plants, either flowers or vegetables, in this same plan is used for formal garmentosa. In this country the same plants of the United States raised to the tops of the plants in flower beds and an overhead system called mother of thousands; is what is

also strawberry geranium. It is not be supplied by means of a watering for vegetable gardens and shrubs. quite hardy in the North. It is an ex- can or a hose or by a system of This system is a great time and laceilent plant for window culture, sprayers permanently located so the bor saver, as the water has only to either in a shady or sunny situation. Whole surface of the garden will be turned on and automatically the The leaves are rounded or kidney watered when the water is turned on garden or lawn is irrigated. After a shaped, purple on the lower side and

The Cornell system includes under-

green above, relieved with gray veins, ground sprayers for lawns over which work is done plies and spreads is quite remarkable. farm management. Discussions and

It is one of the most troublesome studies of these lines are had through reeds of my garden. We have fought lectures, lantern slides, excursions to it for years, but it is still there. farms and laboratory exercises of a
There are many conservatory species practical mature. All of these tie up from the tropics with attractive foli- with essential problems of plant proage, including zebrina, green foliage duction of garden, orchard and field, striped with white, multiclor, silvery Prof. O. S. Morgan, in charge of the white, green and claret.

At a recent exhibition of the Horti- lows: cultural Society of New York W. A. It considers soils from the stand-Manda of South Orange, N. J., exhib- point of chemical composition, physical ited more than one hundred varieties properties, available plant foods and

scantia is an excellent plant for win- tilizers and drainage; will receive dow boxes, hanging baskets and vases, special attention. Part time in the doing equally well in sun or shade.

SALSIFY OR VEGETABLE OYS-TER.

The milky juice of the vegetable oyster is said to contain valuable medicinal qualities, ranking above the dandellon root. Salsify, or vegetable oyster, requires the same culture as the persnip. Straight, smooth roots are to be desired. The roots are hardy and like parsnips may be left in the ground over winter. The flower stalks of salsify may be

prepared like asparagus, but it is make me feel as though the articles the root that is generally used. The roots should be handled with care so they will not become bruised eral times the value of the article permit the milky juice to be

In cooking, boil the roots without scraping, removing the skins after-

PRESERVING IRON NAILS.

years old or more are likely to be from Texas, Miss., and other distant found perfectly solid and sound, but points. not so with the nails of to-day, which Inderkill Farm, the estate of Ogden

work, outlines the soils course as folthe means of modifying soil conditions The plants spread by branching and to suit special needs in crop producrooting freely, and cuttings placed in tion. Classes of soils, crop adaptation number of days required for maturing water root quickly and surely. Trade- to soils, tillage, mulches, liming, fer-

> exercises. Students are especially invited to bring soils from their own gardens or farms to have them tested for lime and fertilizer requirements. Inquiries should be sent to Director Summer Session, Columbia University. New York city.

BELLEVIEW FARMS JERSEY SALE.

Auctions are peculiar institutions. I attend them myself and often purchase desired treasures at prices that had been stolen. At other sales sevwill be paid; just why nobody can tell, except that it is what happens at auctions. At the Belleview Farms sale, South-

ington, Conn., on June 2, forty-four animals brought \$32,115, going to purchasers in ten different States and Canada.

There were present buyers from as Iron nails in old buildings a hundred far West as Salt Lake City, Utah,

the dates in the table below. The the winter will start up again the last year, and caused much comment is also given:

	Days.
Lima beansJune	25
Snap beans July	25 70
Beets Aug.	5 70
Early cabhage July	15
Early cormits July	20 90
Early cauliflower July	B 100
elery July	25
Chinese cabbage Aug.	10 90
Collards July	B 100
Corn salad Aug.	10
Sweet cornJuly	15
CucumbersJuly	15
Pickling cucumbers Ang.	1
Endive Aug.	15 50
Kale Aug.	1
Kohlrabi Aug.	10
LettuceAug.	20 60
Parsley Aug.	1 85
Parenips July	5
Early peas July	20
Radish, spring Sept.	10
Radirh, summer Aug.	15
Radish, winter Ang	1
tuta baga July	5
Spinach Sopt.	1
Furnips Aug.	15
The state of the s	

Perennial onion sets can be set out any time they are ripe and ready for picking for seed; they can be planted as late as the ground can be worked. Properly planted and cared for, a bed of perennial onions will thrive for sev eral years. The plants pulled for food should be replaced with bulbs produced on the tops of the stems of the plants

CORN BORERS.

Dr. L. O. Howard, chief of the bu-

corn stalk torer varies from almost ture on the hill to thoroughly wet the white to smoky yellow, and the fore- soil about it. wings, which spread to about one and a fourth inches, are darker than the hind wings and bear faint markings. when at rest the wings are held close ter, fruits and vegetables through the to the body, forming an acute triangle. "The male moth usually is somewhat

the day remain hidden in the "throat" of the corn plant beneath the leaves

borer: The female moth has a robust body, with a wing expanse of a little more than an inch, and is pale yellow. The outer third of forewing is crossed by two narrow lines darker than the ering next season. rest of the wing, while the hind wings

classified advertising columns of the newspapers of the nearest large city. darker than the female and always This plan often gives better satisfaccasionally appear at lights, but during ber of these advertisements appear tion than the usual method. A numunder the classification of "farm produce" every Sunday in this depart-

> Biennials, such as Canterbury bells, weet rocket, lunaria and Sweet Willlam should be sown at once for flow

SAVE THE ROSES and All Flowers and Vegetables From the Ravages of Insects and Fungus Diseases

Also kills Poultry and Cattle lice and fleas on Dogs, Sheep, &c. We have used Sulco-V-B on various plants, and find that it destroys all insects without injury to either foliage or flowers. We also find it an excellent remedy for mildew on Chrysanthemum

foliage. Valentine Burgevin, Inc., Florist, Kingston, N. Y

Sulco-V-B proved to be one of the very best things I have ever used on trees and shrubs for all insects and fungus pests. It only needs to be known to become popular. Alexander MacLellan, Horticulturist, Newport, R. I.

Send for descriptive booklet. Address COOK & SWAN CO., Inc., Sulco-V.-B., Dept. S. 148 Front Street, New York., U. S. A. Established 1862.

reau of entomology, United States Department of Agriculture, was asked to explain the difference between the promptly disappear if sprayed with larger corn stalk borer and the Euro- Sulco-V-B. Use one part Sulco-V-E pean corn borer. His reply follows: "The adult or moth of the larger

or in some other sheltered place. "Referring to the European corn

Make the seed bed in a lightly are lighter sellow. shaded situation and sow in 1988 are The male moth has a long, siender inches apart. Make the soil firm afshaded situation and sow in rows six

the best results probably being ob-Systems of Irrigation

The beetles eat small holes in the

been hit by fine shot

leaves, giving the appearance of having

Control of this pest is rather difficult,

FINER LAWNS and BETTER GARDENS

Lawns are noticeably more handsome, flowers more profuse, gardens more productive, where Cornell Irrigation Systems are installed. These Overhead, Underground or Portable Sys-

tems, equipped with patented, adjustable Rain Cloud Nozzles, give you control of your "rainfall." Used on the U. S. Capitol Grounds, Washington, D. C. Adapted for any area; installed at any time, without injury to lawn or garden; economical, simple, efficient. Descriptive booklet free on request.

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